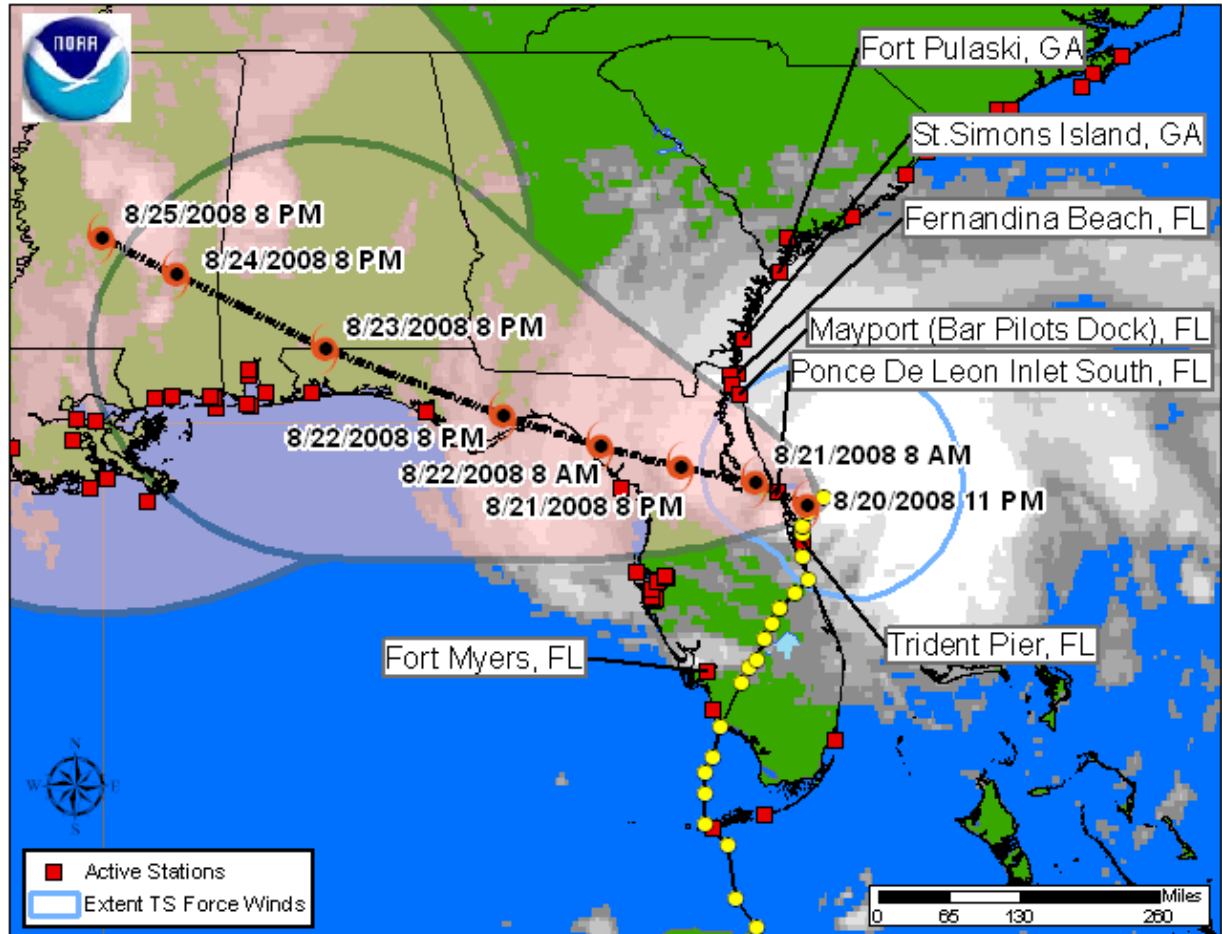


Tropical Storm FAY QuickLook
Posted: 00:00 EDT 08/21/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/21/2008 00:00 EDT, water levels from northeastern Florida to Georgia are elevated between 0.7 and 1.7 feet above predicted. Water levels at Fort Myers remain elevated by about 1 foot, however water levels have returned to normal at many locations on the west coast of Florida. Barometric pressure is falling in northeastern Florida and continues to rise in the southern part of the state. Wind speeds of around 35 mph with gusts over 40 mph are being felt at Trident Pier.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Ponce De Leon Inlet South, FL: Next predicted high tide is 3.51 ft (1.07 m) at 08/21/2008 12:18 EDT.

Mayport Bar Pilots, FL: Next predicted high tide is 5.19 ft (1.58 m) at 08/21/2008 12:27 EDT.

Fernandina Beach, FL: Next predicted high tide is 6.31 ft (1.92 m) at 08/21/2008 00:18 EDT.

St. Simons Island, GA: Next predicted high tide is 7.48 ft (2.28 m) at 08/21/2008 12:03 EDT.

Fort Pulaski, GA: Next predicted high tide is 7.66 ft (2.33 m) at 08/21/2008 11:54 EDT.

Trident Pier, FL: Next predicted high tide is 4.16 ft (1.27 m) at 08/21/2008 11:42 EDT.

Fort Myers, FL: Next predicted high tide is 1.58 ft (0.48 m) at 08/21/2008 06:54 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM FAY ADVISORY NUMBER 22

1100 PM EDT WED AUG 20 2008

...VERY HEAVY RAINS CONTINUE ALONG THE EAST COAST OF CENTRAL FLORIDA AS FAY SITS JUST OFFSHORE...

AT 1100 PM EDT THE TROPICAL STORM WATCH FROM NORTH OF ALTAMAHA SOUND TO THE SAVANNAH RIVER HAS BEEN CHANGED TO A TROPICAL STORM WARNING. A TROPICAL STORM WARNING IS NOW IN EFFECT FROM FORT PIERCE FLORIDA NORTHWARD TO THE SAVANNAH RIVER AT THE BORDER BETWEEN GEORGIA AND SOUTH CAROLINA.

AT 1100 PM EDT THE CENTER OF TROPICAL STORM FAY WAS LOCATED ABOUT 35 MILES SOUTHEAST OF DAYTONA BEACH FLORIDA.

FAY HAS BEEN NEARLY STATIONARY DURING THE PAST SEVERAL HOURS...BUT A SLOW MOTION TOWARD THE WEST-NORTHWEST IS FORECAST TO BEGIN TONIGHT OR EARLY TOMORROW AND CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THIS TRACK...FAY IS FORECAST TO MOVE VERY SLOWLY ACROSS THE NORTHERN FLORIDA PENINSULA ON THURSDAY...AND NEAR OR ALONG THE GULF COAST IN THE FLORIDA BIG BEND AREA ON FRIDAY.

DATA FROM AN AIR FORCE RECONNAISSANCE PLANE AND FROM NATIONAL WEATHER SERVICE RADARS INDICATE THAT MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH WITH HIGHER GUSTS. SOME ADDITIONAL SLIGHT STRENGTHENING IS POSSIBLE WHILE THE CENTER OF FAY REMAINS OVER WATER TONIGHT AND VERY EARLY TOMORROW...BUT GRADUAL WEAKENING IS FORECAST ON THURSDAY AND EARLY FRIDAY AFTER FAY MOVES BACK OVER THE FLORIDA PENINSULA.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 150 MILES FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE REPORTED BY THE RECONNAISSANCE AIRCRAFT WAS 994 MB...29.35 INCHES.

FAY IS EXPECTED TO PRODUCE ADDITIONAL RAINFALL ACCUMULATIONS OF 5 TO 10 INCHES OVER EAST-CENTRAL AND NORTHEASTERN FLORIDA...WITH 3 TO 6 INCHES OVER SOUTHEASTERN GEORGIA. ISOLATED STORM TOTAL AMOUNTS OF 30 INCHES ARE POSSIBLE IN FLORIDA. ADDITIONAL ACCUMULATIONS OF 1 TO 3 INCHES ARE POSSIBLE IN THE EXTREME NORTHWESTERN BAHAMAS.

STORM TIDES OF 1 TO 3 FEET ABOVE NORMAL ARE POSSIBLE ALONG THE EAST COAST OF FLORIDA TO THE NORTH OF THE CENTER OF FAY.

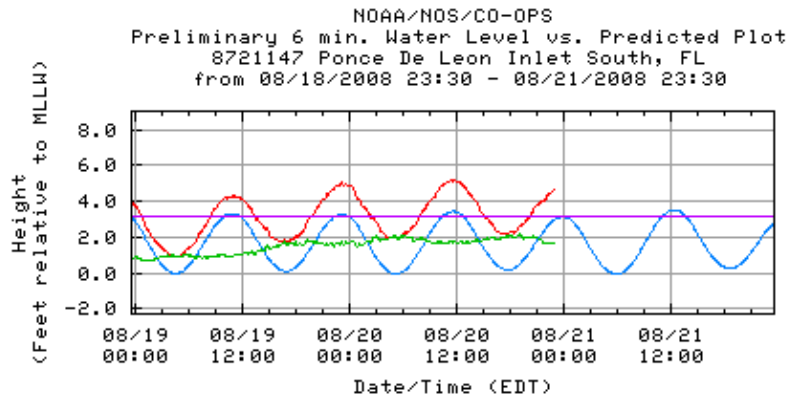
ISOLATED TORNADOES ARE POSSIBLE TONIGHT AND THURSDAY OVER PORTIONS OF NORTHEASTERN FLORIDA AND SOUTHEAST GEORGIA.

FORECASTER KNABB/BROWN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Ponce De Leon Inlet South - Water Level](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Air/Water Temp](#), [Fernandina Beach - Barometric](#), [St.Simons Island - Water Level](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Air/Water Temp](#), [Fort Pulaski - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Fort Myers - Water Level](#),

Ponce De Leon Inlet South, FL - Station Map [Return to List](#)

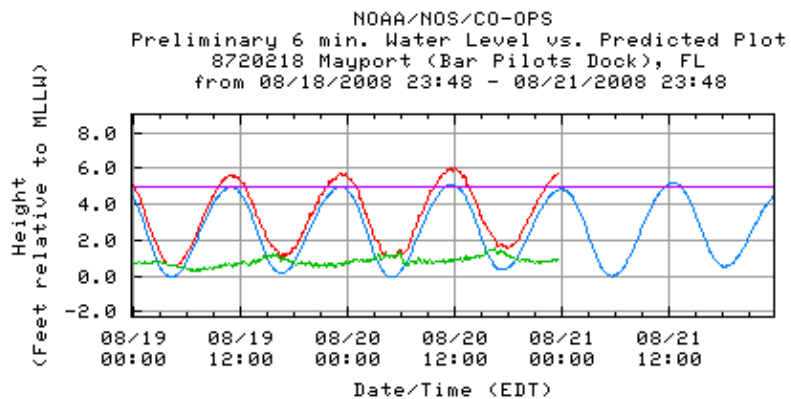


Last Observed Sample: 08/20/2008 22:54 (EDT)

Relative to **MLLW**: **Observed: 4.62 ft. Predicted: 2.98 ft. Residual: 1.64 ft.**

Historical Maximum Water Level: n/a

Mayport (Bar Pilots Dock), FL - Station Map [Return to List](#)

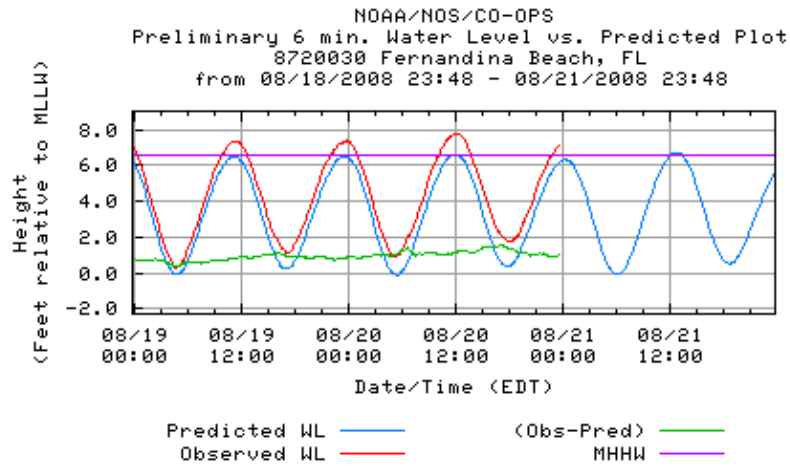


Last Observed Sample: 08/20/2008 23:30 (EDT)

Relative to **MLLW**: **Observed: 5.76 ft. Predicted: 4.79 ft. Residual: 0.97 ft.**

Historical Maximum Water Level: 09/17/2001, 2.15 ft. above **MHHW**

Fernandina Beach, FL - Station Map [Return to List](#)

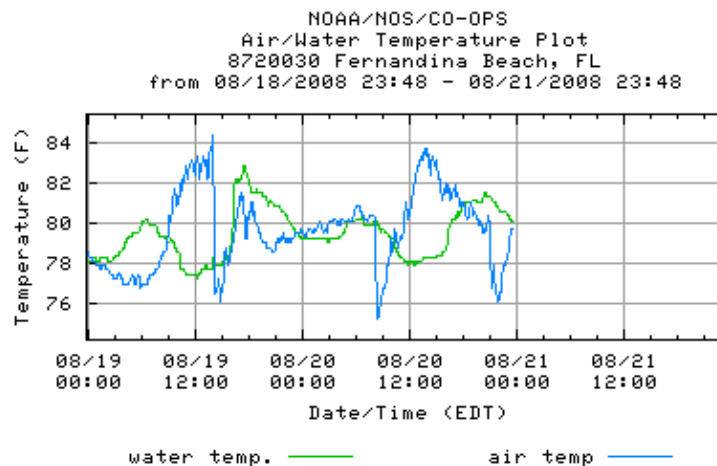


Last Observed Sample: 08/20/2008 23:36 (EDT)

Relative to **MLLW**: **Observed: 7.15 ft. Predicted: 6.16 ft. Residual: 0.99 ft.**

Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

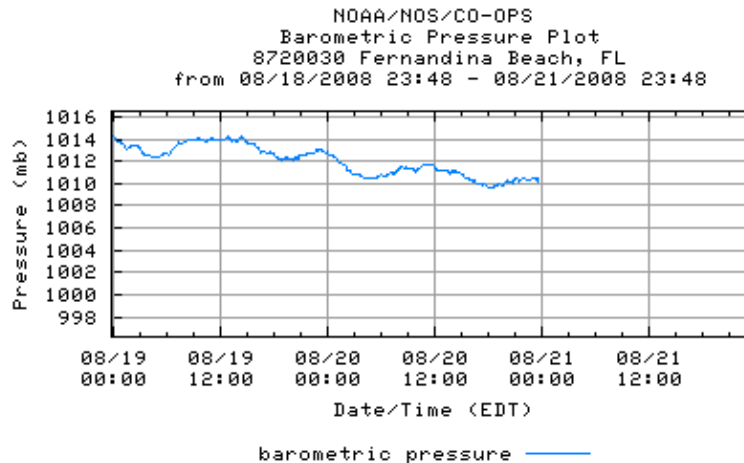
Fernandina Beach, FL - Station Map [Return to List](#)



Last Observed Sample: 08/20/2008 23:30 (EDT)

Water Temperature: 80.1° F Air Temperature: 79.7° F

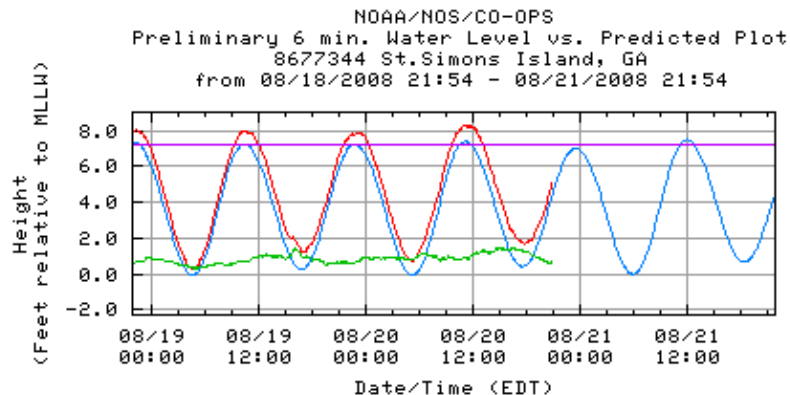
Fernandina Beach, FL - Station Map [Return to List](#)



Last Observed Sample: 08/20/2008 23:36 (EDT)

Barometric Pressure: 1010.4 mb

St.Simons Island, GA - Station Map [Return to List](#)

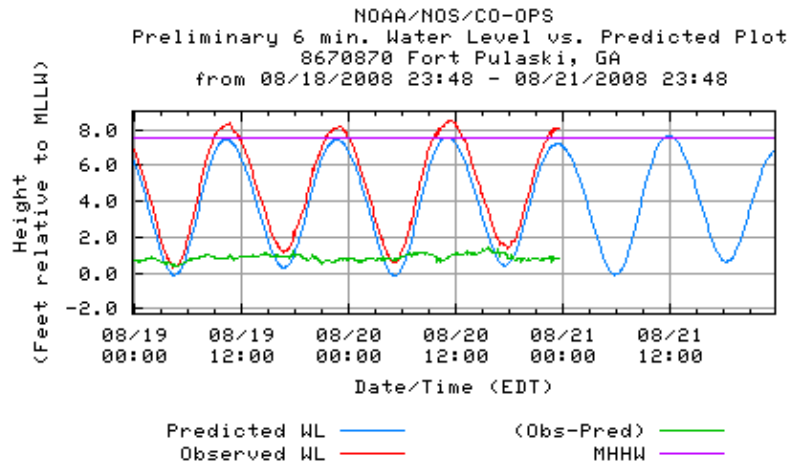


Last Observed Sample: 08/20/2008 20:54 (EDT)

Relative to **MLLW**: Observed: 5.07 ft. Predicted: 4.37 ft. Residual: 0.70 ft.

Historical Maximum Water Level: 07/22/2001, 2.41 ft. above **MHHW**

Fort Pulaski, GA - Station Map [Return to List](#)

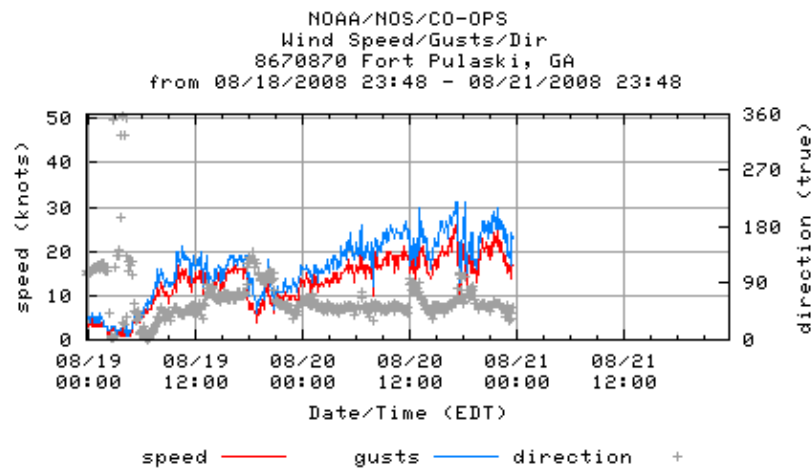


Last Observed Sample: 08/20/2008 23:30 (EDT)

Relative to **MLLW**: **Observed: 8.05 ft. Predicted: 7.18 ft. Residual: 0.87 ft.**

Historical Maximum Water Level: 10/15/1947, 3.4 ft. above **MHHW**

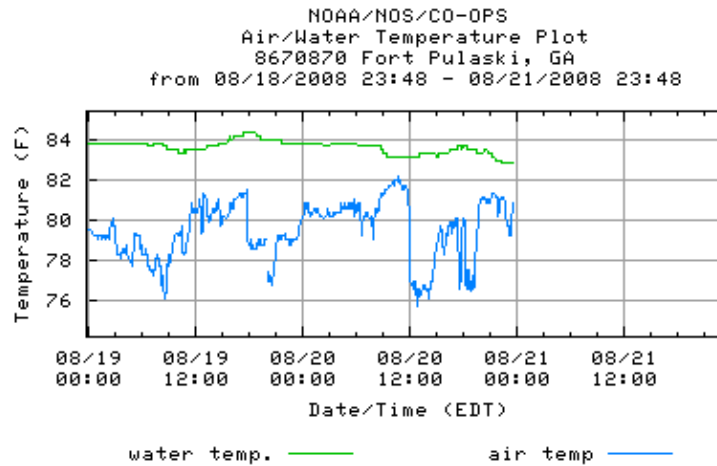
Fort Pulaski, GA - Station Map [Return to List](#)



Last Observed Sample: 08/20/2008 23:30 (EDT)

Wind Speed: 17 knots Gusts: 23 knots Direction: 051° T

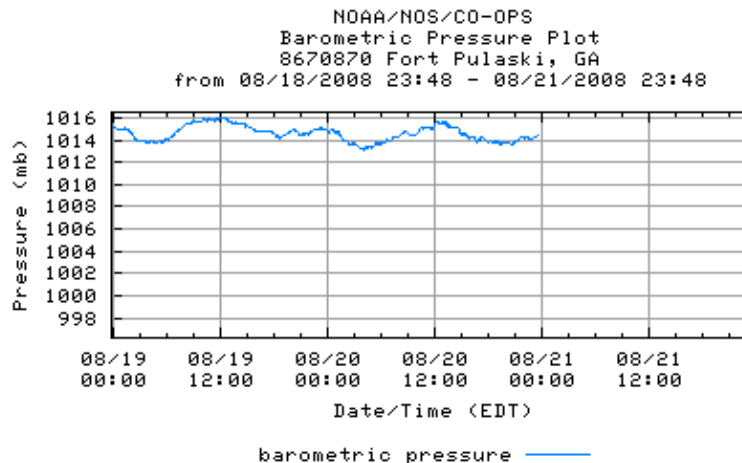
Fort Pulaski, GA - Station Map [Return to List](#)



Last Observed Sample: 08/20/2008 23:30 (EDT)

Water Temperature: 82.8° F Air Temperature: 80.8° F

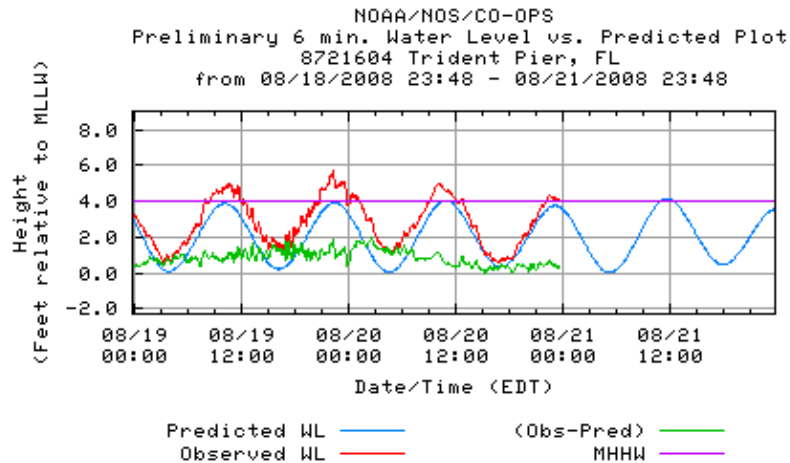
Fort Pulaski, GA - Station Map [Return to List](#)



Last Observed Sample: 08/20/2008 23:30 (EDT)

Barometric Pressure: 1014.4 mb

Trident Pier, FL - Station Map [Return to List](#)

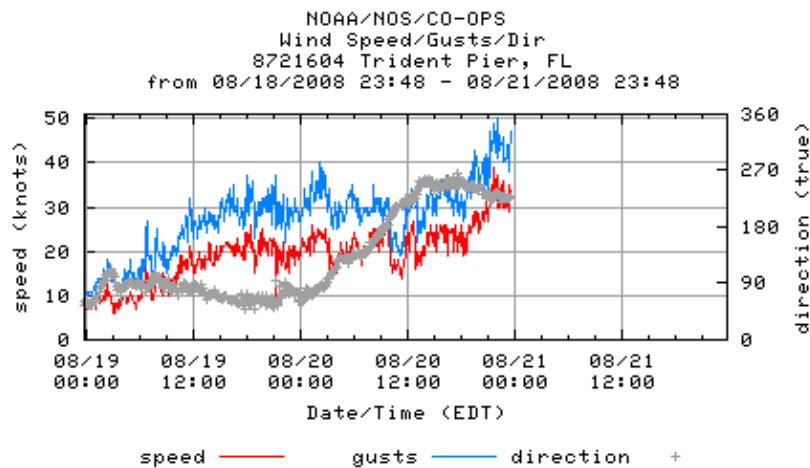


Last Observed Sample: 08/20/2008 23:36 (EDT)

Relative to **MLLW**: **Observed: 3.98 ft. Predicted: 3.70 ft. Residual: 0.28 ft.**

Historical Maximum Water Level: 09/16/2001, 2.28 ft. above **MHHW**

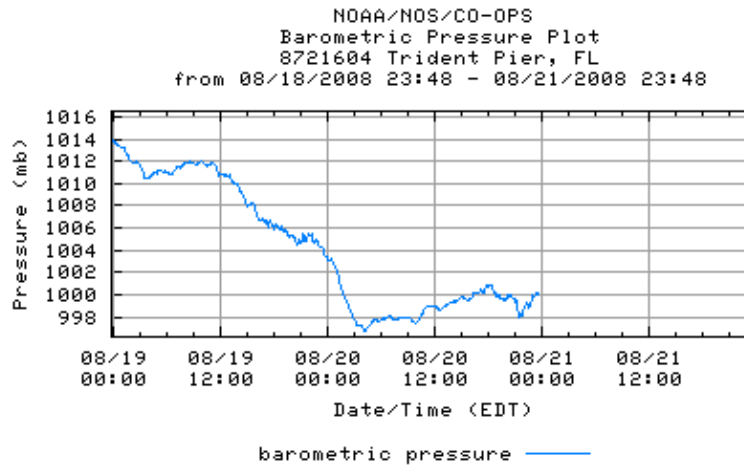
Trident Pier, FL - Station Map [Return to List](#)



Last Observed Sample: 08/20/2008 23:30 (EDT)

Wind Speed: 33 knots Gusts: 47 knots Direction: 229° T

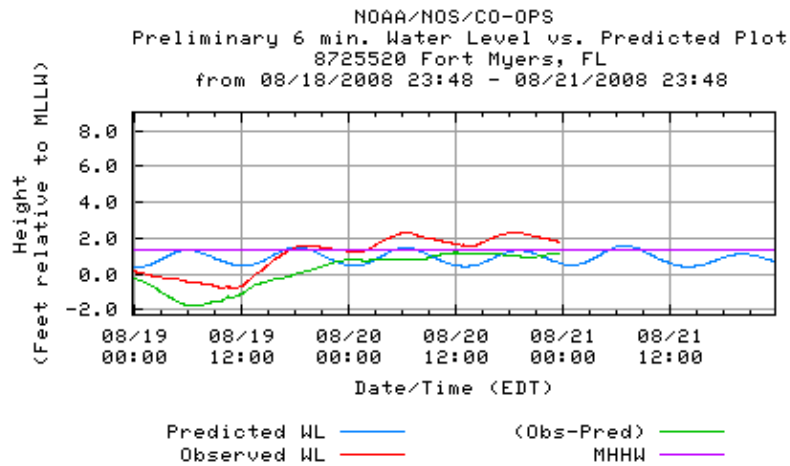
Trident Pier, FL - Station Map [Return to List](#)



Last Observed Sample: 08/20/2008 23:36 (EDT)

Barometric Pressure: 1000.2 mb

Fort Myers, FL - Station Map [Return to List](#)



Last Observed Sample: 08/20/2008 23:36 (EDT)

Relative to **MLLW**: **Observed: 1.81 ft.** **Predicted: 0.63 ft.** **Residual: 1.18 ft.**

Historical Maximum Water Level: 11/23/1988, 3.41 ft. above **MHHW**

Tropical Storm FAY QuickLook, POSTED 00:00 EDT 08/21/2008

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce